Species Datasheet

Datasheet No. P-037.001.039
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Asplenium sarelii* Hook.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Aspleniumanogrammoides Christ
Aspleniumsarelii var. *sarelii*

3.Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Aspleniaceae Newman
- Subfamily:
- Genus: *Asplenium* L.
- Species: *Asplenium sarelii* Hook.
- Subspecies*:*
- *Variety:*

4.Distribution:

Global: China **(**Anhui, Chongqing, N Guizhou, Henan, Hubei, Hunan, Jiangsu, Shaanxi, Sichuan, Zhejiang).

India: Western Himalaya

5.Indigenous/Exotic/Endemic;Cultivated/Wild:

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Grows in rock crevices; 300-1000 m

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=36[6, 11, 59, 98, 99,143]

13. Zygotic chromosome number(s):2n=

14. Gametic chromosome number(s):n=36[143], 72[6, 11, 59, 60, 71, 98, 99]

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16.Ploidy level: Diploid (sexual) [143] , Tetraploid (sexual)[6, 11, 59, 60, 71, 98, 99]

Image file

17.Agametoploidy:

18.Nature of polyploidy (auto, segmental, allo, autoallo):

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization:

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis Diploid: 36II[143], Tetraploid:72II[6, 11, 59, 60, 71, 98, 99]

Image file

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29.Any other information (Apomixis; Inversion; Male sterility;Pollen grain mitosis; Pollen stainability;Translocationsetc.):